

Cytometer Performance Report

Cytometer: FACSCantoII
Cytometer Name: FACSCantoII
Serial Number: V33896201821
Input Device: Carousel
Tube Loaded Manually: Yes
Cytometer Configuration: Euroflow 3-laser, 8-color (4-2-2)

User: Administrator
Institution: N/A
Software: BD FACSDiva 8.0.2
Date: 03/30/2022 09:06 AM
Cytometer Baseline: 01/20/2022 09:34 AM
P/F: Pass

Setup Beads

Bead Product: CST Setup Beads **Part #:** 910859
Lot ID: 32272 **Expiration Date:** 09/30/2022
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	125317	0	1.22	125265	1.18
Blue	F	SSC	125000	124890	-1	2.55	125418	2.37
Blue	E	FITC	13602	13249	-3	2.19	372	13.22
Blue	D	PE	24891	24515	-2	1.62	584	10.25
Blue	B	PerCP-Cy5-5	33972	33295	-2	2.87	954	14.56
Blue	A	PE-Cy7	22865	22549	-2	4.91	471	30.38
Red	C	APC	47198	46640	-2	2.66	1611	11.34
Red	A	APC-Cy7	26454	25726	-3	3.07	725	12.21
Violet	B	V450	6737	6515	-4	3.42	455	11.07
Violet	A	V500	29317	28113	-5	3.02	963	7.93

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	24227	2.34	540	5	N/A	N/A	Pass
Blue	F	SSC	56180	1.94	517	-4	N/A	N/A	Pass
Blue	E	FITC	56	53.22	485	1	0.0451	104	Pass
Blue	D	PE	113	39.41	488	2	0.4806	408	Pass
Blue	B	PerCP-Cy5-5	151	40.95	581	2	0.0209	94	Pass
Blue	A	PE-Cy7	77	79.62	624	3	0.0224	1	Pass
Red	C	APC	337	25.69	573	1	0.0292	205	Pass
Red	A	APC-Cy7	136	35.74	551	0	0.0068	1878	Pass
Violet	B	V450	78	46.82	451	1	0.0681	2905	Pass
Violet	A	V500	114	30.72	470	1	0.0297	1152	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.64 - 71.46	N/A	N/A	-31.76	-31.48	1.03
Blue	20.37	16.28 - 24.42	1.29	1.03 - 1.55	0.00	0.00	1.44
Red	15.51	13.90 - 20.86	N/A	N/A	29.83	30.04	1.22

Window Extension: 7.00
FSC Area Scaling Factor: 0.89

Threshold

Threshold (FSC): 10411

Fluidics

FACSFlow Pressure: 3.90
Spec.: 3.80 - 4.00
Sample Pressure: 3.70

Comments